Notice of Allowability	Application No.	Applicant(s)
	10/089,004	TOYOSHIMA ET AL.
	Examiner	Art Unit
	Bruce F. Bell	1746
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to the application as filed	<u>d on 03/22/2002</u> .	
2. ⊠ The allowed claim(s) is/are <u>1-32</u> .		
3. The drawings filed on are accepted by the Examiner	r.	
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give: 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperson 1) hereto or 2) To Paper No./Mail Date 10 Paper No./Mail	been received. been received in Application No cuments have been received in this report of this communication to file a reply of this communication. Itted. Note the attached EXAMINER's reason(s) why the oath or declarate to be submitted. It be submitted. It is application. Amendment / Comment or in the Office of the declaration of the drawing the header according to 37 CFR 1.121(doi:10.1001/10.1001).	complying with the requirements S AMENDMENT or NOTICE OF ion is deficient. 248) attached ffice action of gs in the front (not the back) of).
Attachment(s) I. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Summary (
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	8. ⊠ Examiner's Statemen	ent/Comment of Reasons for Allowance
of Biological Material	9.	

Application/Control Number: 10/089,004

Art Unit: 1746

Drawings

1. Figures 6, 7, 15, 16, 17a, 17b, 27 and 28 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Notice of Allowance to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action. The objection to the drawings will not be held in abeyance.

Drawings are to reflect the term "Figure" before each respective number of the individual drawings.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to teach and/or suggest an electrode plate having a flat portion and a peripheral edge portion which edge portion is bent to have recesses and protrusions that are alternately arrayed along an outer peripheral edge thereof.

The prior art of record also fails to teach and/or suggest a stacked arrangement of membranes and electrode plates which plates are aligned so that electric current suppliers are disposed between the solid electrolyte membrane and the electrode plates so that a side portion of the stacked cell arrangement forms a honeycomb structure at the peripheral edge portion of the electrode plates.

Application/Control Number: 10/089,004

Art Unit: 1746

The prior art of record also fails to teach and/or suggest a solid electrolyte membrane of a design wherein seal rings for isolating the anode and cathode chambers are disposed in a seal ring groove formed on side surfaces of the anode and cathode side annular members so as to seal the cathode side annular member to the cathode plate and the other side of the cathode side annular member to the solid electrolyte membrane, to form the cathode chamber and the same with the anode side annular member respectively, to form the anode chamber.

The prior art of record also fails to teach and/or suggest a method of assembling an electrochemical cell by aligning a solid electrolyte membrane, electrode plates, electric current suppliers between two end plates and fastening by bolts while applying uniform pressing force on the two end plates by a pressing machine.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bruce F. Bell whose telephone number is 571-272-1296. The examiner can normally be reached on Monday-Friday 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on 571 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/089,004

Art Unit: 1746

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BFB August 31, 2004 Succ Buc Bruce F. Bell Primary Examiner Art Unit 1746